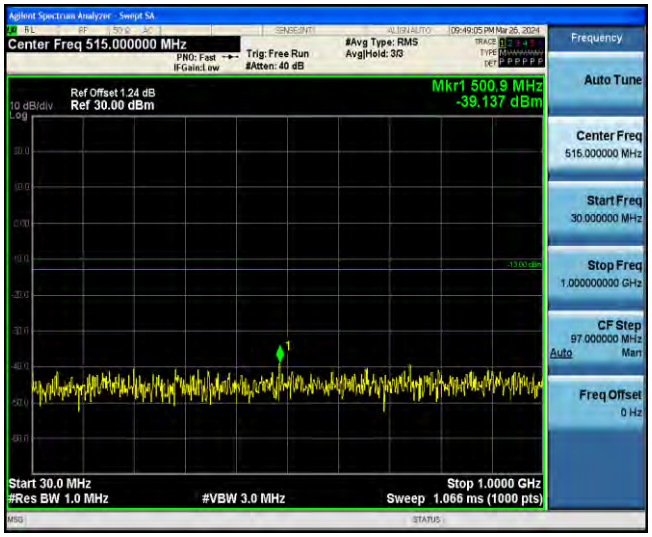
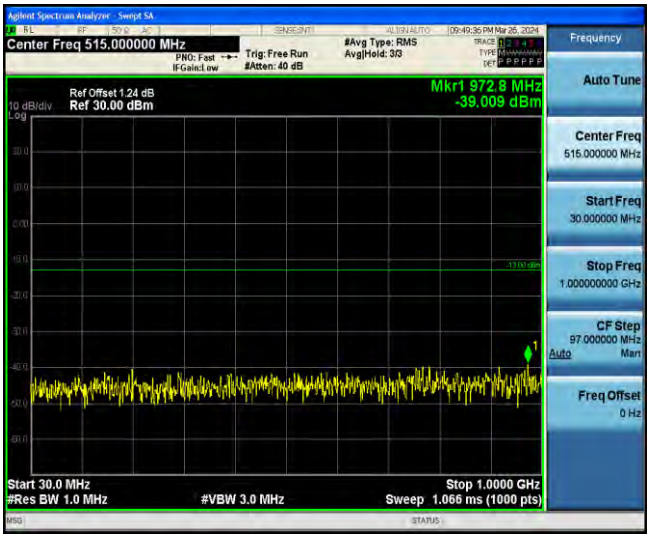
Band4-15MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



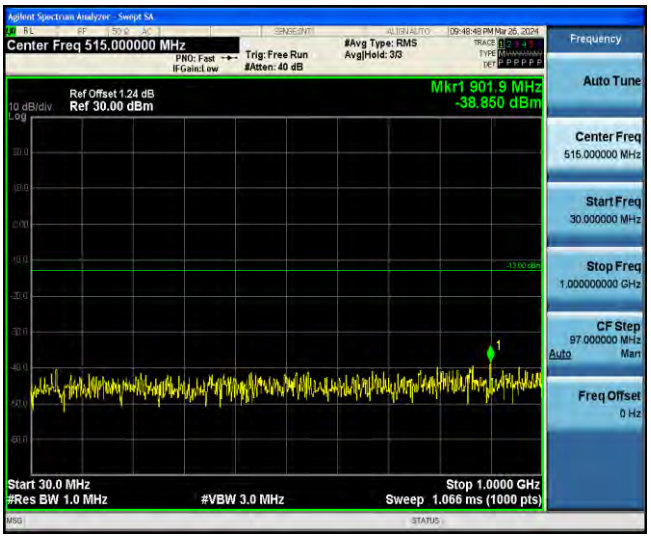
Band4-15MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz

Band4-15MHz-QPSK-20325-1RB#0-Range1:30~1000MHz



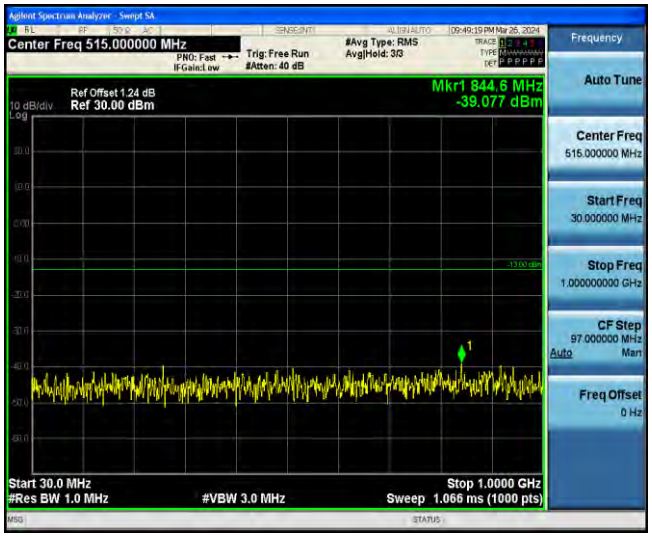
Band4-15MHz-QPSK-20325-1RB#0-Range2:1000~20000MHz

Band4-15MHz-16QAM-20025-1RB#0-Range1:30~1000MHz



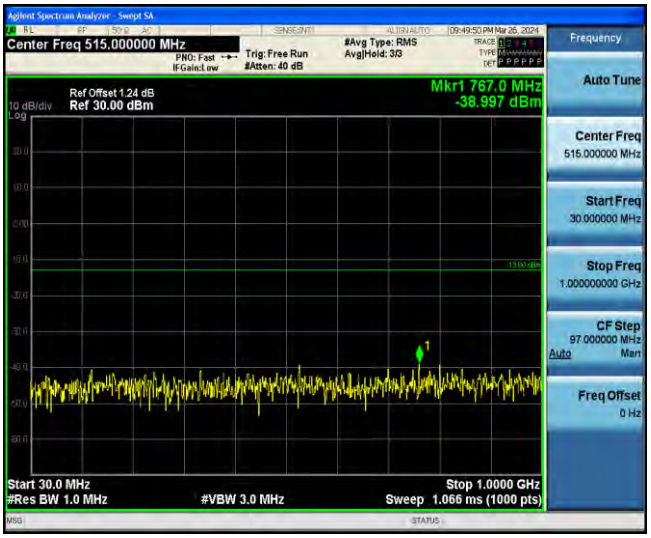
Band4-15MHz-16QAM-20025-1RB#0-Range2:1000~20000MHz

Band4-15MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



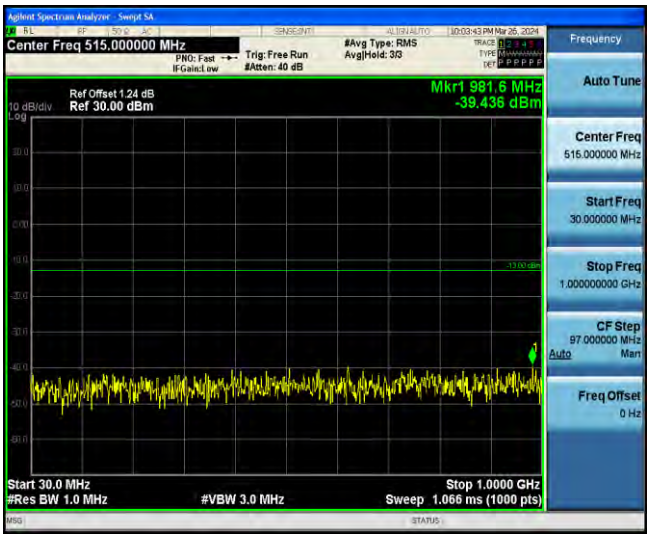
Band4-15MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz

Band4-15MHz-16QAM-20325-1RB#0-Range1:30~1000MHz



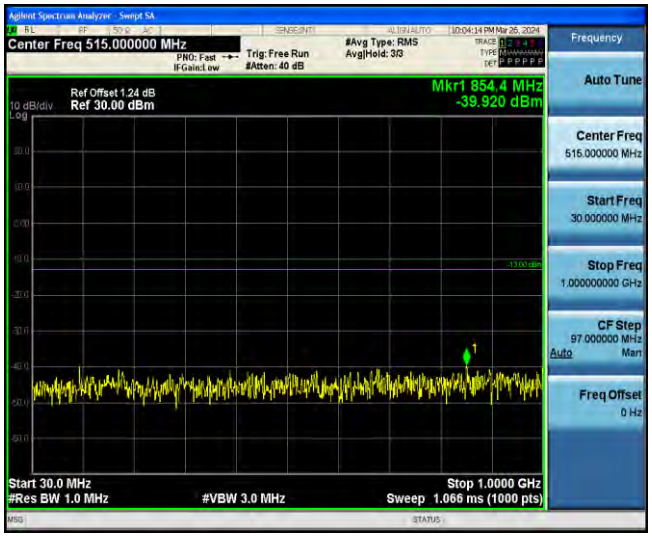
Band4-15MHz-16QAM-20325-1RB#0-Range2:1000~20000MHz

Band4-20MHz-QPSK-20050-1RB#0-Range1:30~1000MHz



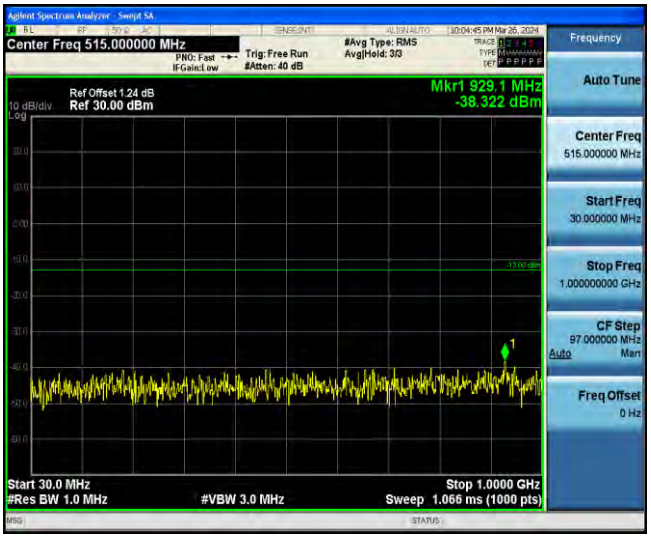
Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz

Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



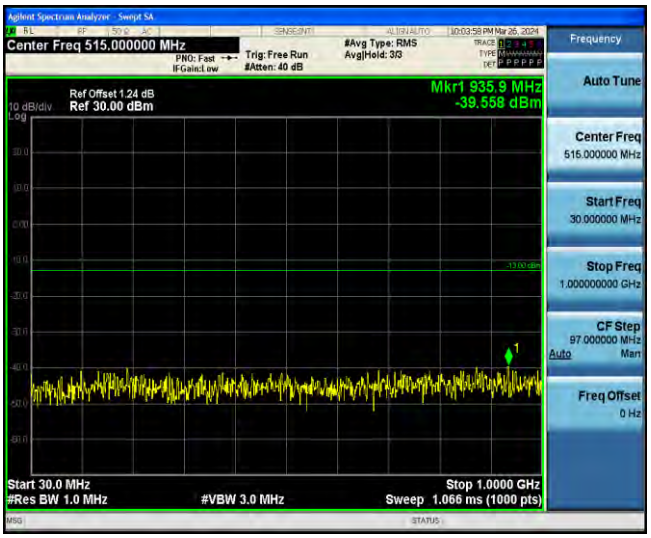
Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz

Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz

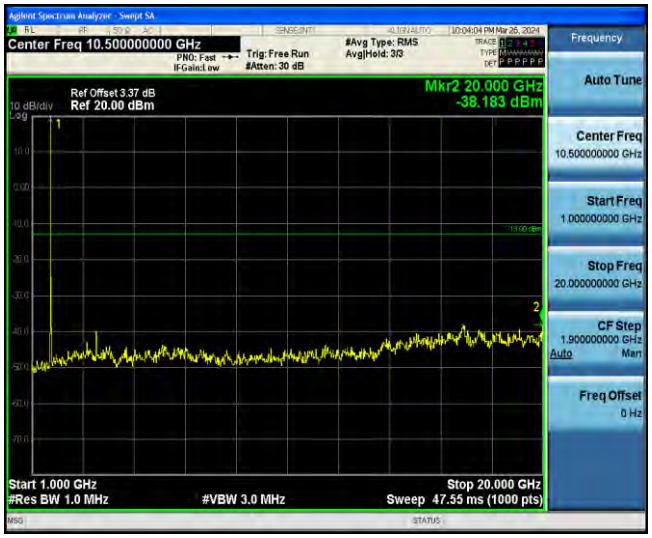


Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz

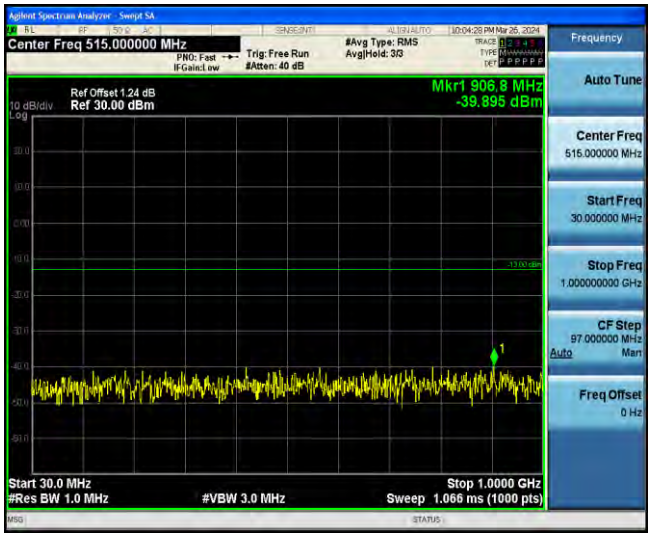
Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz

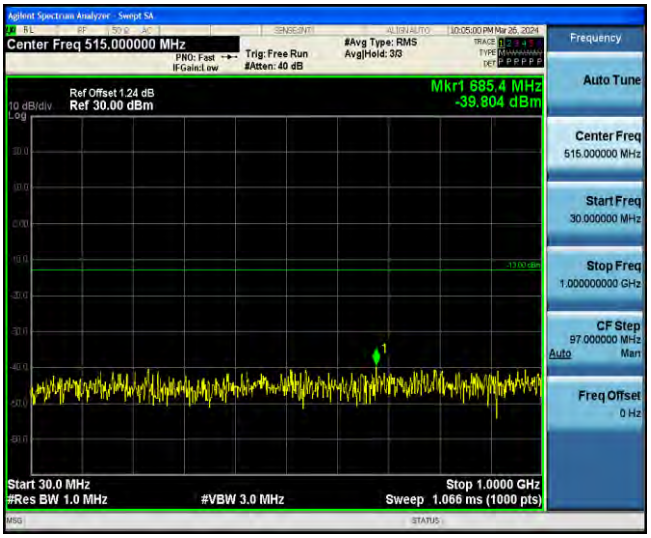


Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz

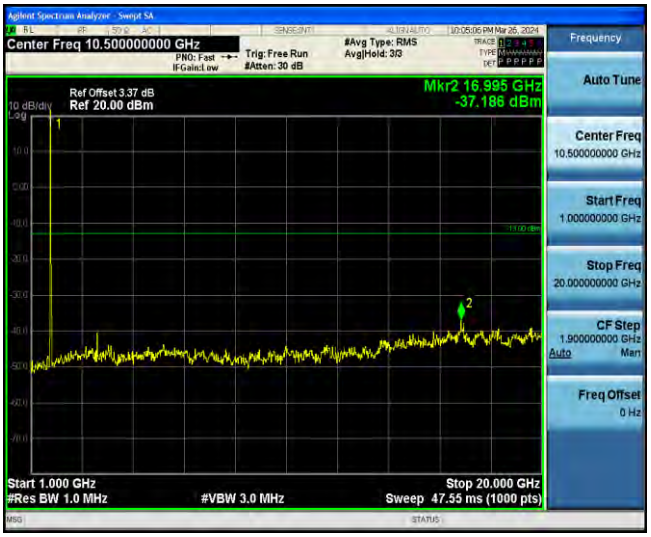


Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz

Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	VL	NT	5.17	0.003022	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VN	NT	4.68	0.002736	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VH	NT	2.56	0.001496	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	3.91	0.002257	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	-3.37	-0.001945	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	3.99	0.002303	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VL	NT	-4.20	-0.002394	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VN	NT	-4.76	-0.002713	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VH	NT	-4.63	-0.002639	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VL	NT	5.66	0.003309	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VN	NT	3.91	0.002286	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VH	NT	4.20	0.002455	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VL	NT	3.54	0.002043	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VN	NT	5.63	0.003250	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VH	NT	-3.44	-0.001986	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VL	NT	-8.03	-0.004577	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VN	NT	-4.30	-0.002451	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VH	NT	-5.82	-0.003318	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VL	NT	-2.45	-0.001431	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VN	NT	-5.83	-0.003406	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VH	NT	3.94	0.002302	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VL	NT	5.52	0.003186	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VN	NT	3.93	0.002268	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VH	NT	1.92	0.001108	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VL	NT	3.22	0.001836	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VN	NT	-3.65	-0.002082	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VH	NT	5.48	0.003125	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VL	NT	2.75	0.001607	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VN	NT	-4.18	-0.002442	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VH	NT	3.42	0.001998	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VL	NT	5.65	0.003261	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VN	NT	-4.36	-0.002517	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VH	NT	-1.89	-0.001091	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VL	NT	4.79	0.002732	±2.5	PASS

Band4	3MHz	16QAM	20385	15RB#0	VN	NT	4.74	0.002703	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VH	NT	2.38	0.001357	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VL	NT	3.85	0.002248	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VN	NT	5.89	0.003439	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VH	NT	4.88	0.002850	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VL	NT	-3.95	-0.002280	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VN	NT	3.14	0.001812	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VH	NT	3.48	0.002009	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VL	NT	-5.36	-0.003058	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VN	NT	-5.92	-0.003378	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VH	NT	-4.17	-0.002379	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VL	NT	4.15	0.002423	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VN	NT	5.38	0.003142	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VH	NT	6.10	0.003562	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VL	NT	4.15	0.002395	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VN	NT	2.33	0.001345	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VH	NT	5.09	0.002938	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VL	NT	-5.54	-0.003161	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VN	NT	-4.20	-0.002397	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VH	NT	-6.19	-0.003532	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VL	NT	-5.87	-0.003423	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VN	NT	-5.49	-0.003201	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VH	NT	-7.42	-0.004327	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	3.77	0.002176	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	5.39	0.003111	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	4.09	0.002361	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VL	NT	5.91	0.003377	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VN	NT	-4.15	-0.002371	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VH	NT	-2.84	-0.001623	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VL	NT	-5.77	-0.003364	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VN	NT	-5.96	-0.003475	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VH	NT	-7.39	-0.004309	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VL	NT	-1.94	-0.001120	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VN	NT	-2.60	-0.001501	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VH	NT	3.84	0.002216	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VL	NT	-4.30	-0.002457	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VN	NT	3.97	0.002269	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VH	NT	5.29	0.003023	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VL	NT	-3.14	-0.001828	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VN	NT	-4.33	-0.002521	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VH	NT	-1.87	-0.001089	±2.5	PASS

Band4	15MHz	QPSK	20175	75RB#0	VL	NT	-3.94	-0.002274	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VN	NT	-3.14	-0.001812	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VH	NT	4.94	0.002851	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VL	NT	-4.58	-0.002621	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VN	NT	3.29	0.001883	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VH	NT	3.41	0.001951	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VL	NT	4.52	0.002632	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VN	NT	3.72	0.002166	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VH	NT	3.11	0.001811	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VL	NT	-3.71	-0.002141	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VN	NT	2.36	0.001362	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VH	NT	2.92	0.001685	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VL	NT	-2.71	-0.001551	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VN	NT	-3.45	-0.001974	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VH	NT	2.43	0.001391	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	4.78	0.002779	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	2.78	0.001616	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	5.88	0.003419	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	4.66	0.002690	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	4.09	0.002361	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	6.78	0.003913	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-4.25	-0.002436	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-6.07	-0.003479	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-2.58	-0.001479	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	4.53	0.002634	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	4.94	0.002872	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	4.13	0.002401	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	3.47	0.002003	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-2.19	-0.001264	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	3.06	0.001766	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-6.21	-0.003559	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-3.69	-0.002115	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-4.79	-0.002745	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-30	3.73	0.002180	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-20	1.90	0.001111	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	0	-2.50	-0.001461	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	10	-3.36	-0.001964	±2.5	PASS

Band4	1.4MHz	QPSK	19957	6RB#0	NV	20	2.89	0.001689	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	5.19	0.002996	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	2.49	0.001437	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	2.83	0.001633	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	4.48	0.002586	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	3.02	0.001743	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-30	-4.56	-0.002599	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-20	-6.09	-0.003471	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	0	-2.03	-0.001157	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	10	-5.05	-0.002879	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	20	-5.49	-0.003129	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-30	3.67	0.002145	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-20	2.86	0.001672	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	0	2.48	0.001450	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	10	2.72	0.001590	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	20	2.99	0.001748	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-30	3.73	0.002153	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-20	4.18	0.002413	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	0	5.34	0.003082	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	10	2.29	0.001322	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	20	3.44	0.001986	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-30	-5.50	-0.003135	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-20	-6.24	-0.003557	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	0	-5.67	-0.003232	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	10	-6.56	-0.003739	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	20	-6.78	-0.003865	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-30	3.21	0.001876	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-20	3.53	0.002063	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	0	-4.38	-0.002559	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	10	3.15	0.001840	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	20	4.40	0.002571	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-30	-3.26	-0.001882	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-20	4.07	0.002349	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	0	3.78	0.002182	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	10	3.46	0.001997	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	20	2.13	0.001229	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-30	-4.07	-0.002321	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-20	4.61	0.002629	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	0	-3.30	-0.001882	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	10	2.73	0.001557	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	20	4.37	0.002492	±2.5	PASS

Band4	3MHz	16QAM	19965	15RB#0	NV	-30	-4.93	-0.002881	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-20	4.08	0.002384	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	0	3.24	0.001893	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	10	-3.36	-0.001963	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	20	-3.10	-0.001811	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-30	-3.33	-0.001922	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-20	-2.54	-0.001466	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	0	-3.51	-0.002026	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	10	2.40	0.001385	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	20	4.82	0.002782	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-30	5.45	0.003108	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-20	-4.52	-0.002578	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	0	4.39	0.002504	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	10	3.90	0.002224	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	20	5.30	0.003023	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-30	1.84	0.001074	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-20	2.16	0.001261	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	0	2.75	0.001606	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	10	2.75	0.001606	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	20	3.28	0.001915	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-30	4.22	0.002436	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-20	4.81	0.002776	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	0	3.58	0.002066	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	10	3.86	0.002228	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	20	3.27	0.001887	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-30	-3.20	-0.001826	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-20	-4.92	-0.002807	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	0	-5.10	-0.002910	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	10	-5.98	-0.003412	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	20	-5.04	-0.002876	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-30	-5.15	-0.003007	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-20	4.95	0.002891	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	0	5.22	0.003048	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	10	4.31	0.002517	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	20	3.55	0.002073	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-30	4.14	0.002390	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-20	5.28	0.003048	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	0	5.25	0.003030	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	10	-3.97	-0.002291	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	20	2.51	0.001449	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-30	-7.45	-0.004251	±2.5	PASS

Band4	5MHz	16QAM	20375	25RB#0	NV	-20	-6.30	-0.003595	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	0	-5.71	-0.003258	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	10	-5.01	-0.002859	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	20	-4.16	-0.002374	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-30	-8.01	-0.004671	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-20	-6.94	-0.004047	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	0	-5.18	-0.003020	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	10	-6.35	-0.003703	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	20	-5.79	-0.003376	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-30	-1.93	-0.001114	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-20	2.91	0.001680	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	2.82	0.001628	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	3.29	0.001899	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	3.79	0.002188	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-30	4.13	0.002360	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-20	-2.31	-0.001320	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	0	6.17	0.003526	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	10	3.36	0.001920	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	20	5.70	0.003257	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-30	-4.44	-0.002589	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-20	-4.14	-0.002414	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	0	-3.68	-0.002146	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	10	-4.68	-0.002729	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	20	-6.82	-0.003977	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-30	-3.21	-0.001853	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-20	2.94	0.001697	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	0	-2.08	-0.001201	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	10	4.65	0.002684	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	20	2.56	0.001478	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-30	3.45	0.001971	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-20	4.28	0.002446	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	0	3.47	0.001983	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	10	3.10	0.001771	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	20	-3.35	-0.001914	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-30	5.06	0.002946	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-20	5.51	0.003208	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	0	-1.64	-0.000955	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	10	-2.11	-0.001229	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	20	-4.49	-0.002614	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-30	-4.63	-0.002672	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-20	5.55	0.003203	±2.5	PASS

Band4	15MHz	QPSK	20175	75RB#0	NV	0	3.33	0.001922	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	10	4.42	0.002551	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	-2.56	-0.001478	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-30	2.74	0.001568	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-20	-4.01	-0.002295	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	0	-4.59	-0.002627	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	10	-2.71	-0.001551	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	20	2.62	0.001499	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-30	5.50	0.003202	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-20	3.05	0.001776	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	0	-2.36	-0.001374	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	10	3.11	0.001811	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	20	2.56	0.001491	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-30	2.90	0.001674	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-20	2.30	0.001328	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	0	3.85	0.002222	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	10	3.30	0.001905	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	20	-2.79	-0.001610	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-30	-3.21	-0.001837	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-20	2.51	0.001436	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	0	-2.58	-0.001476	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	10	-3.44	-0.001969	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	20	2.93	0.001677	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	5.90	0.003430	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	3.09	0.001797	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	3.47	0.002017	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	5.25	0.003052	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	4.05	0.002355	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	4.61	0.002661	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	4.80	0.002771	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	4.48	0.002586	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	3.53	0.002038	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	3.18	0.001835	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-5.98	-0.003427	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-4.71	-0.002699	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-4.92	-0.002819	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-5.12	-0.002934	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-4.83	-0.002768	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	3.10	0.001802	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	3.45	0.002006	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	4.67	0.002715	±2.5	PASS

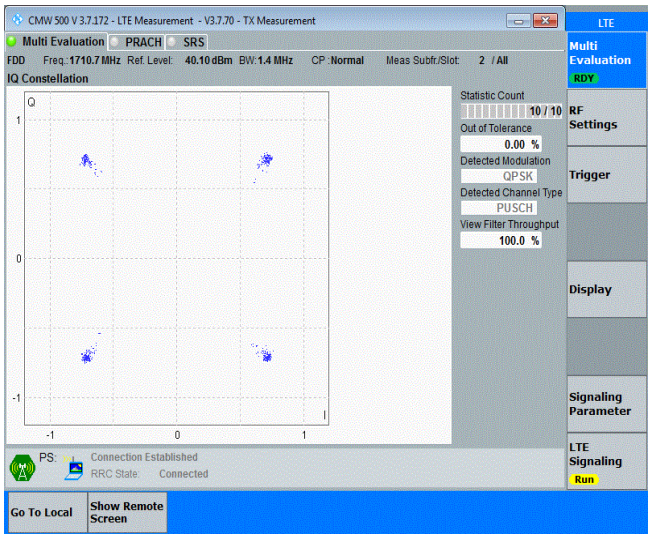
Band4	20MHz	16QAM	20050	100RB#0	NV	10	2.58	0.001500	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	6.63	0.003855	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-2.42	-0.001397	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-4.59	-0.002649	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	5.76	0.003325	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-3.02	-0.001743	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	3.64	0.002101	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-4.93	-0.002825	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-4.09	-0.002344	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-3.45	-0.001977	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-5.19	-0.002974	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-7.70	-0.004413	±2.5	PASS

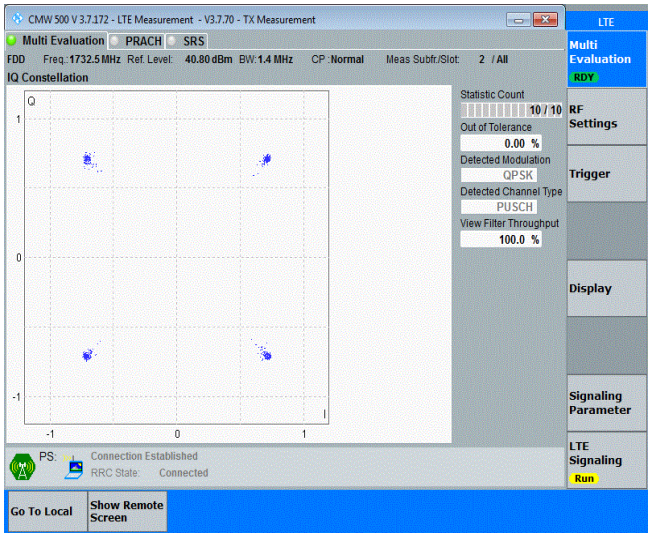
Appendix G: Modulation Characteristics

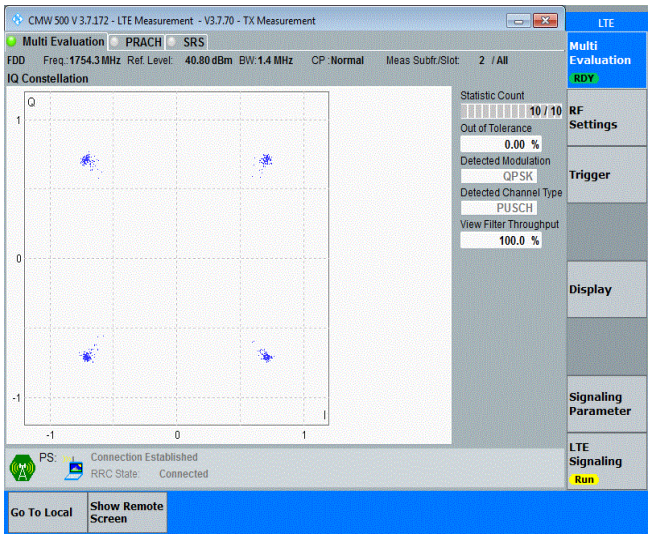
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	PASS	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	PASS	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	PASS	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	PASS	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	PASS	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	PASS	PASS
Band4	3MHz	QPSK	19965	15RB#0	PASS	PASS
Band4	3MHz	QPSK	20175	15RB#0	PASS	PASS
Band4	3MHz	QPSK	20385	15RB#0	PASS	PASS
Band4	3MHz	16QAM	19965	15RB#0	PASS	PASS
Band4	3MHz	16QAM	20175	15RB#0	PASS	PASS
Band4	3MHz	16QAM	20385	15RB#0	PASS	PASS
Band4	5MHz	QPSK	19975	25RB#0	PASS	PASS
Band4	5MHz	QPSK	20175	25RB#0	PASS	PASS
Band4	5MHz	QPSK	20375	25RB#0	PASS	PASS
Band4	5MHz	16QAM	19975	25RB#0	PASS	PASS
Band4	5MHz	16QAM	20175	25RB#0	PASS	PASS
Band4	5MHz	16QAM	20375	25RB#0	PASS	PASS
Band4	10MHz	QPSK	20000	50RB#0	PASS	PASS
Band4	10MHz	QPSK	20175	50RB#0	PASS	PASS
Band4	10MHz	QPSK	20350	50RB#0	PASS	PASS
Band4	10MHz	16QAM	20000	50RB#0	PASS	PASS
Band4	10MHz	16QAM	20175	50RB#0	PASS	PASS
Band4	10MHz	16QAM	20350	50RB#0	PASS	PASS
Band4	15MHz	QPSK	20025	75RB#0	PASS	PASS
Band4	15MHz	QPSK	20175	75RB#0	PASS	PASS
Band4	15MHz	QPSK	20325	75RB#0	PASS	PASS
Band4	15MHz	16QAM	20025	75RB#0	PASS	PASS
Band4	15MHz	16QAM	20175	75RB#0	PASS	PASS
Band4	15MHz	16QAM	20325	75RB#0	PASS	PASS
Band4	20MHz	QPSK	20050	100RB#0	PASS	PASS
Band4	20MHz	QPSK	20175	100RB#0	PASS	PASS
Band4	20MHz	QPSK	20300	100RB#0	PASS	PASS
Band4	20MHz	16QAM	20050	100RB#0	PASS	PASS
Band4	20MHz	16QAM	20175	100RB#0	PASS	PASS
Band4	20MHz	16QAM	20300	100RB#0	PASS	PASS

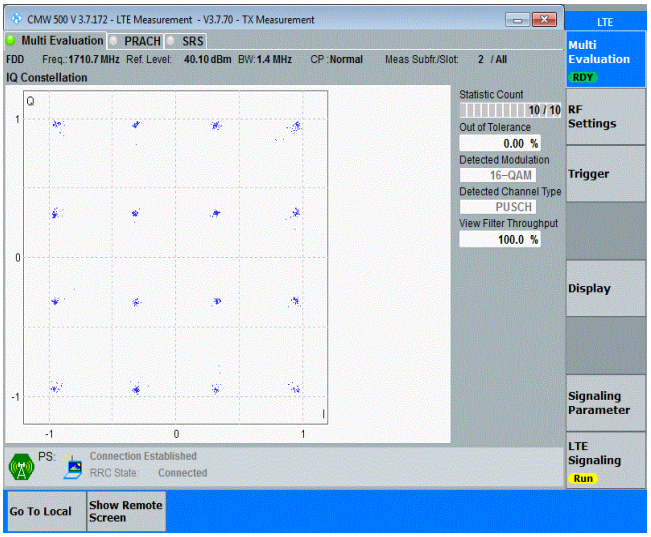
Test Graphs

Band4-1.4MHz-QPSK-19957-6RB#0


Band4-1.4MHz-QPSK-20175-6RB#0


Band4-1.4MHz-QPSK-20393-6RB#0


Band4-1.4MHz-16QAM-19957-6RB#0



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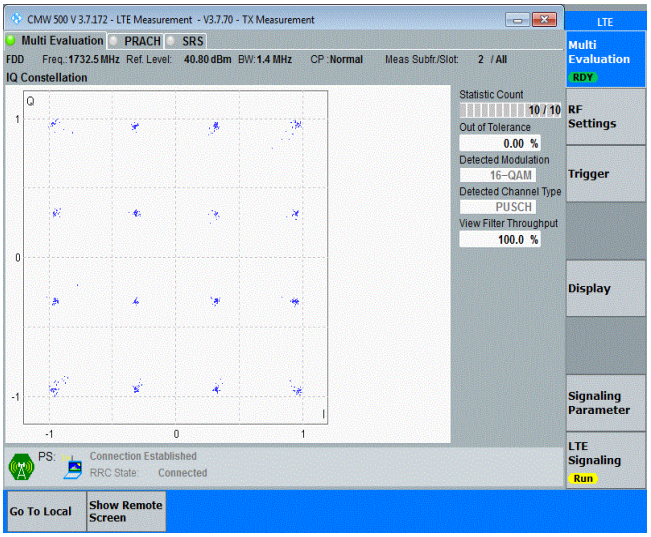
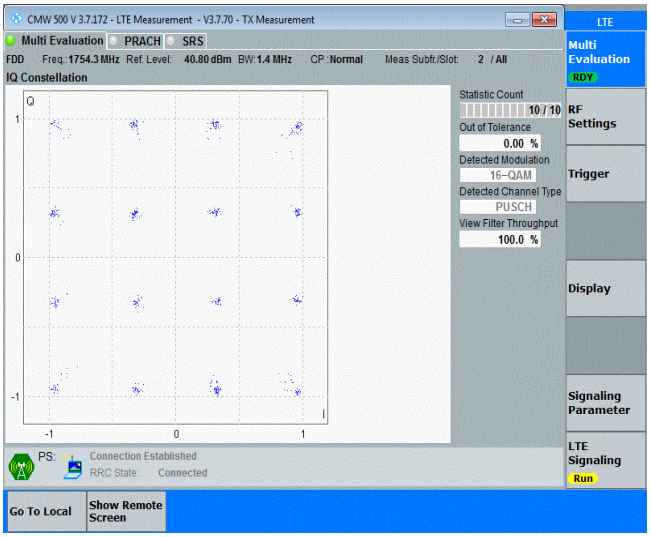
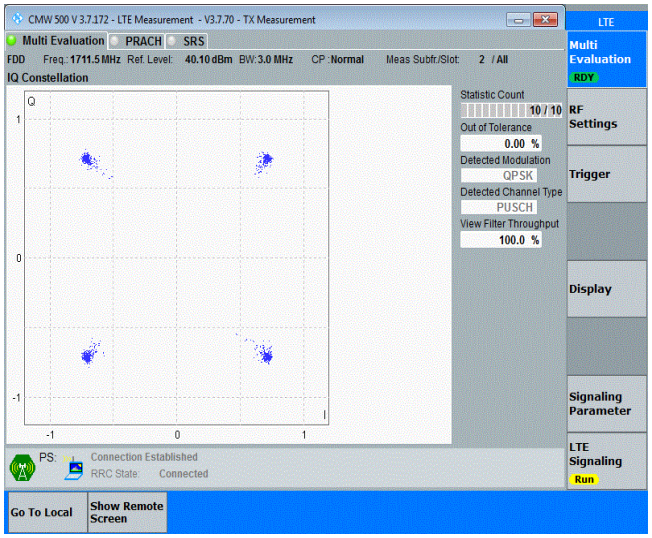


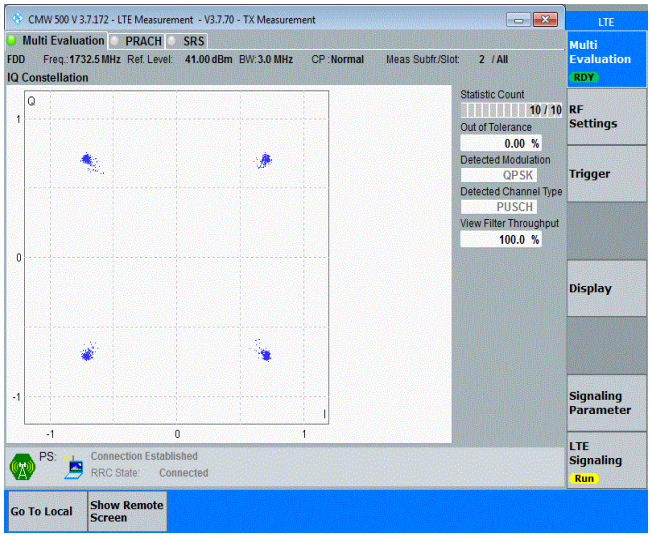
Band4-1.4MHz-16QAM-20393-6RB#0



Band4-3MHz-QPSK-19965-15RB#0



Band4-3MHz-QPSK-20175-15RB#0



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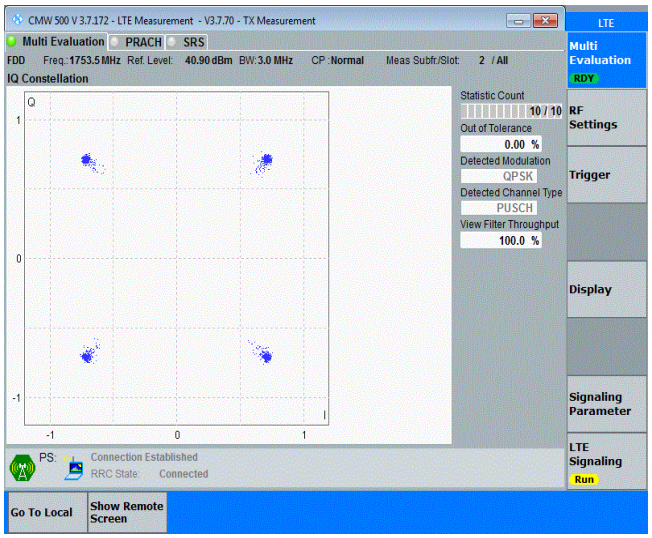
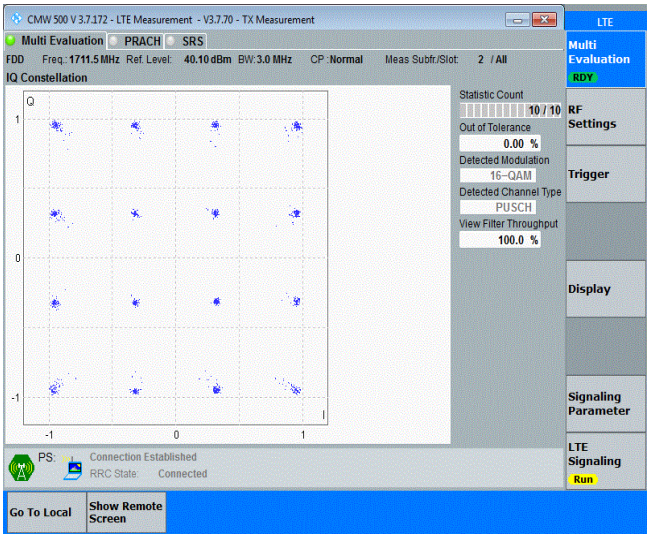


Band4-3MHz-16QAM-19965-15RB#0



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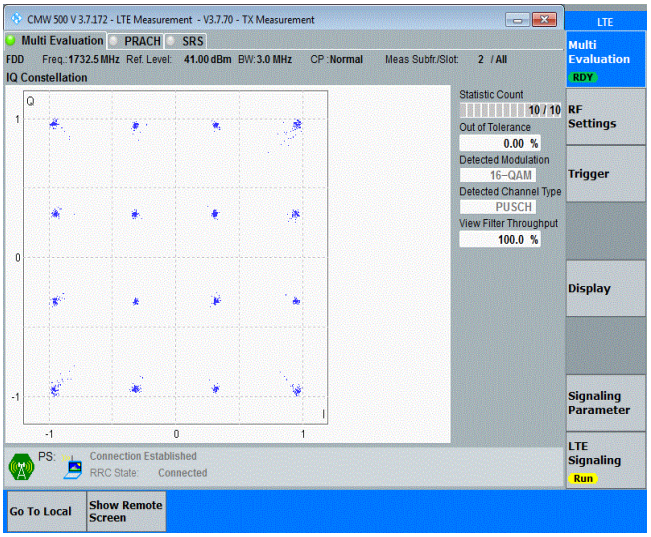

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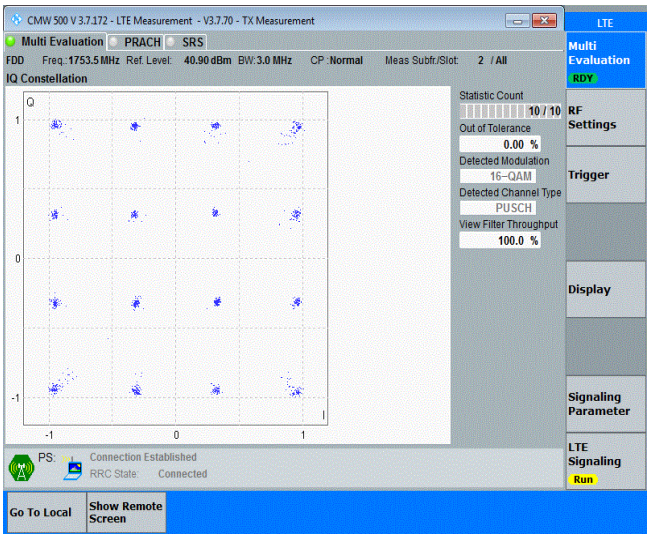
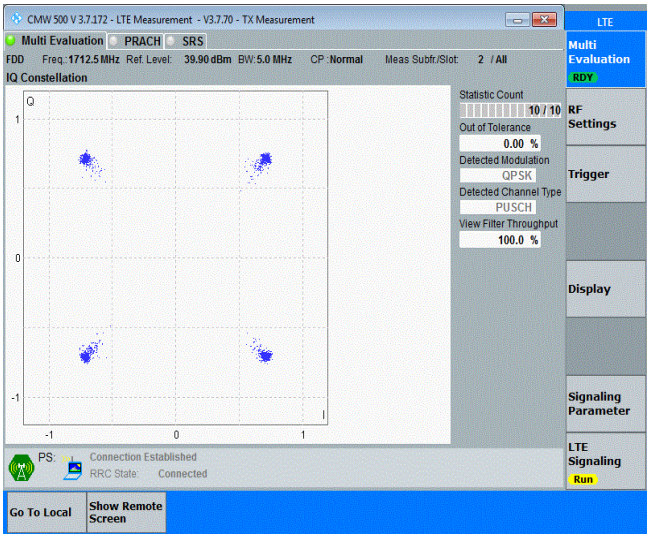


Band4-5MHz-QPSK-19975-25RB#0



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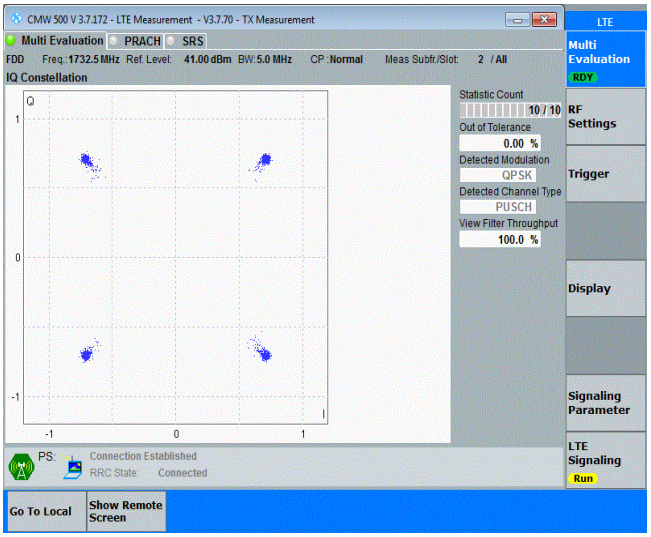

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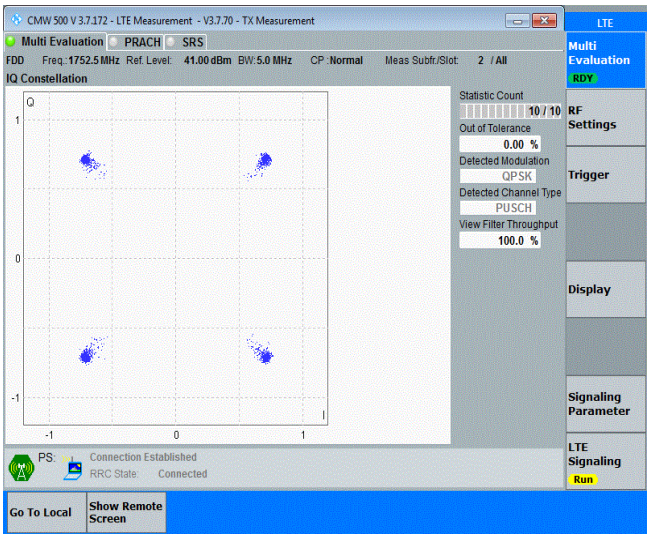

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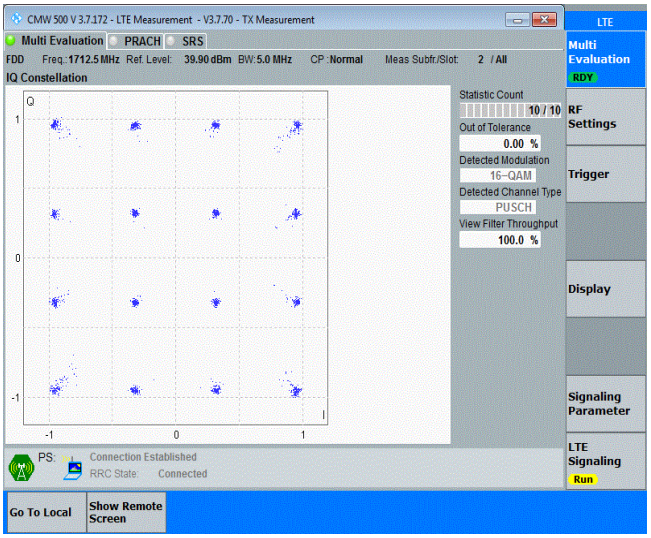

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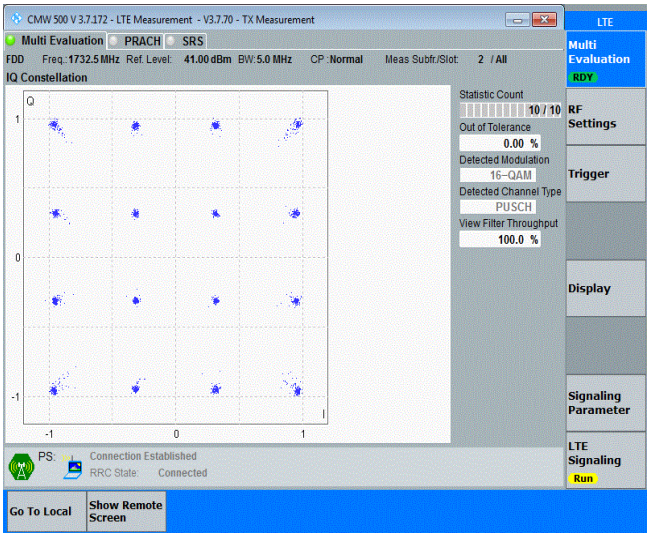
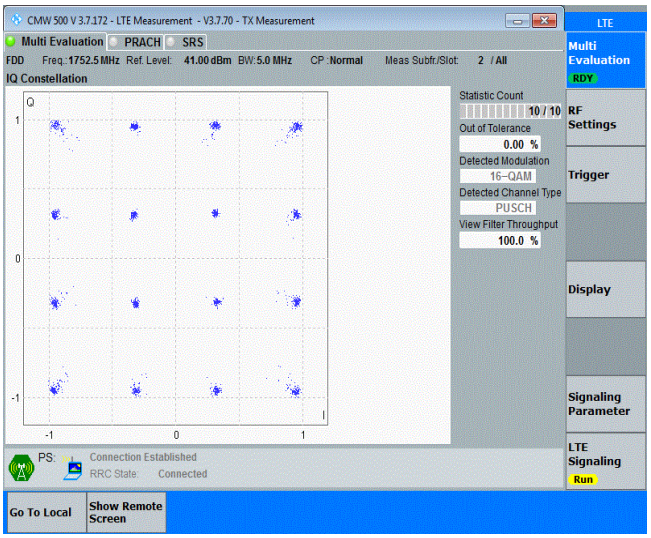
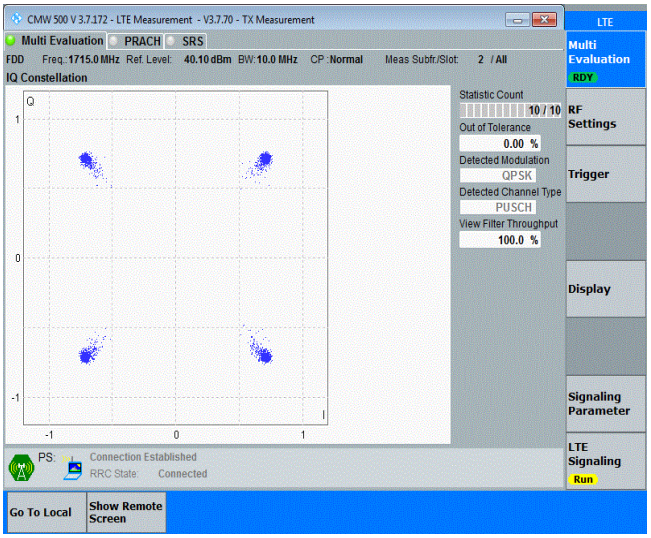


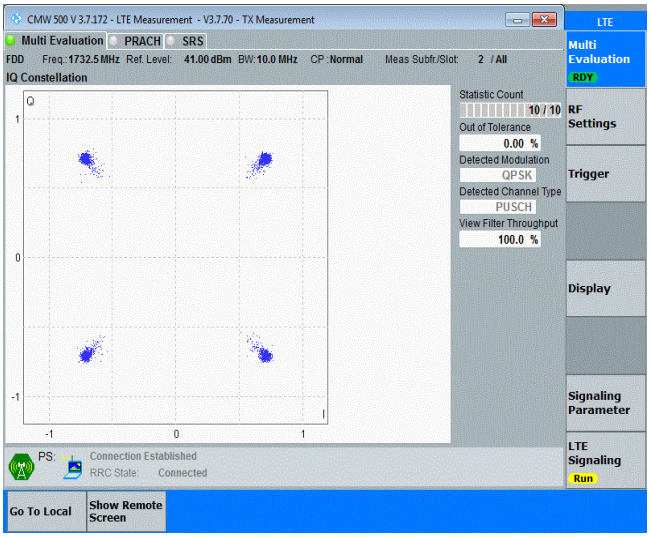
Band4-5MHz-16QAM-20375-25RB#0



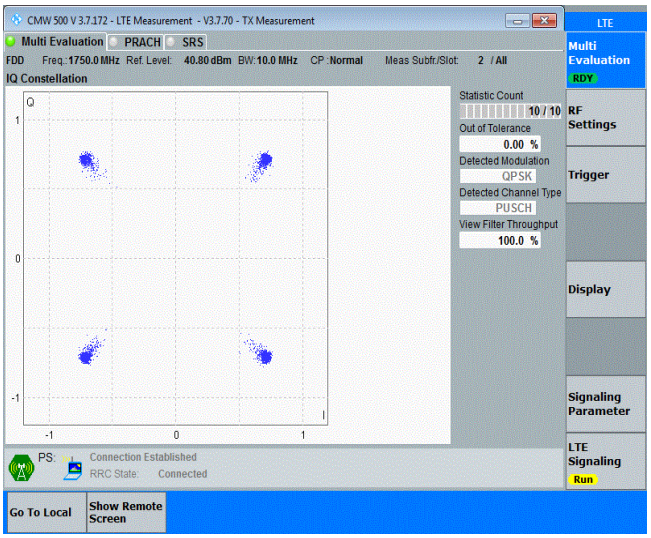
Band4-10MHz-QPSK-20000-50RB#0



Band4-10MHz-QPSK-20175-50RB#0



Band4-10MHz-QPSK-20350-50RB#0



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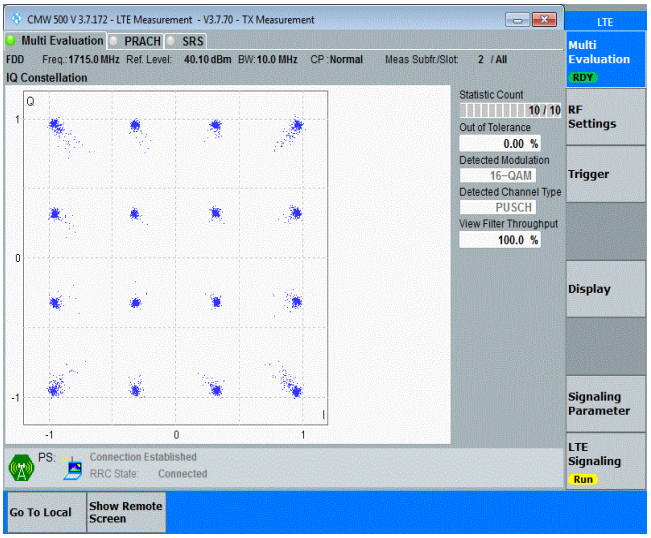
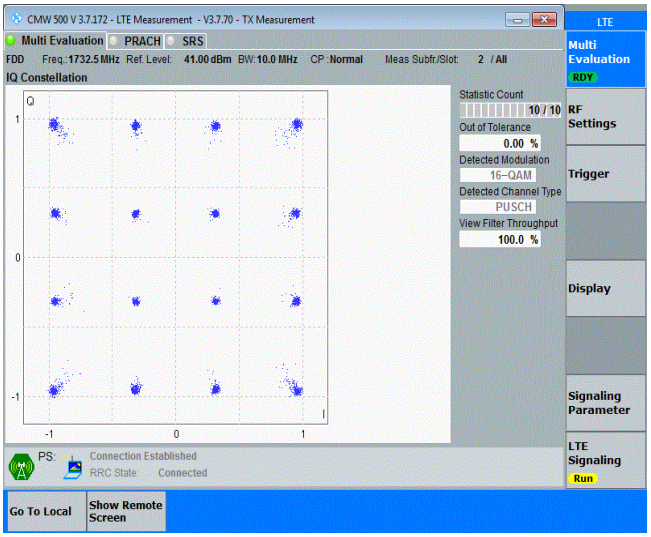


Band4-10MHz-16QAM-20175-50RB#0



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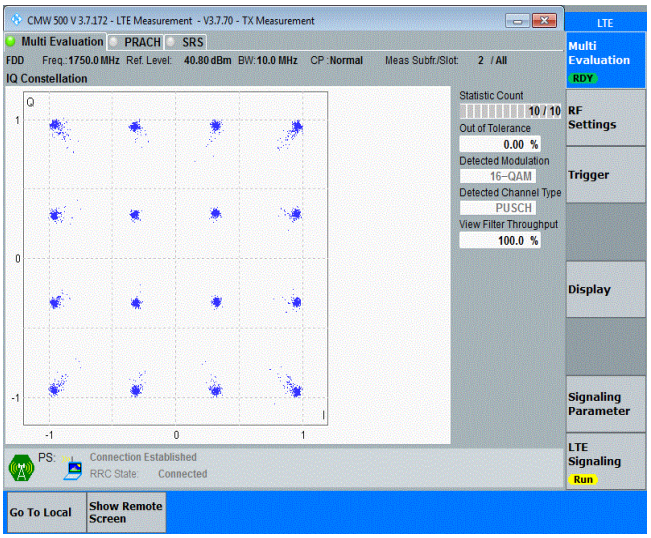
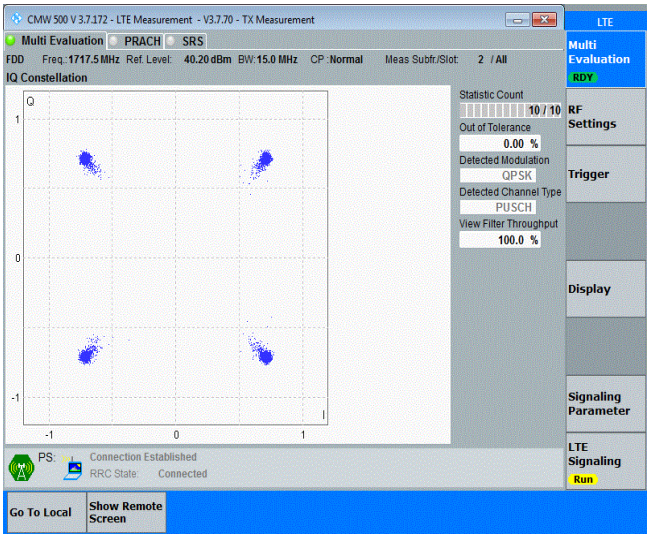


Band4-15MHz-QPSK-20025-75RB#0



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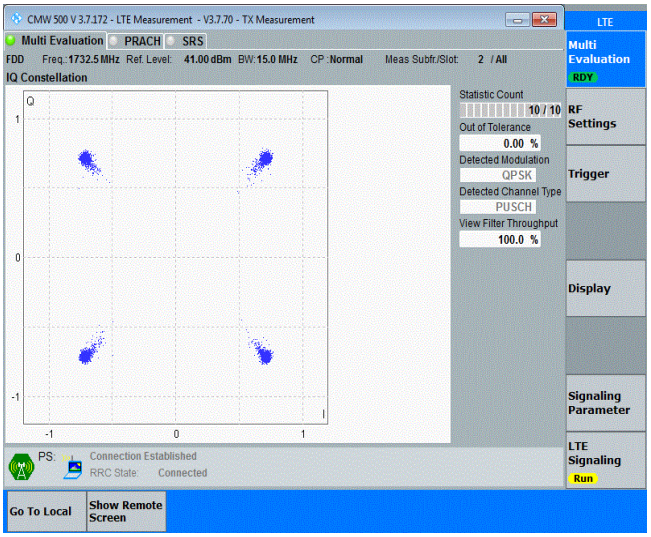

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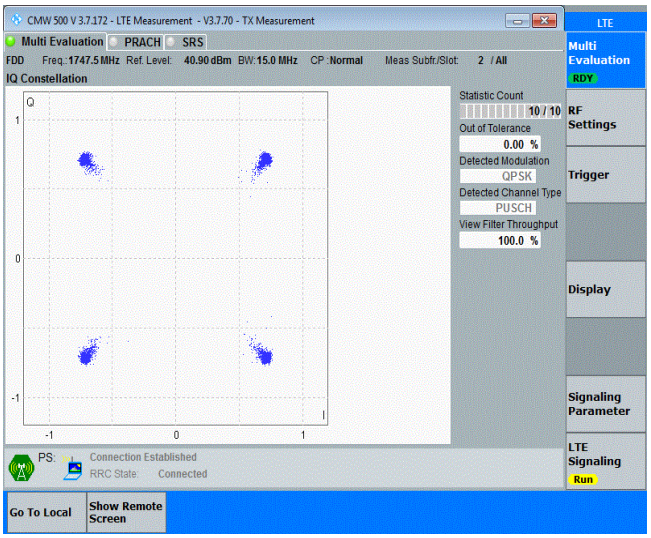

Band4-15MHz-16QAM-20025-75RB#0